AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) In a process comprising at least one activity, a computer implemented method for performing an activity, comprising:

receiving a message, from a process management engine, to perform an activity which calls for invocation of a service provided by a service application, said service being invocable using a protocol, and said service, when invoked, provides one or more results of performing said service;

obtaining a service definition for said service, wherein the service definition comprises mapping information that maps one or more attributes associated with said activity to one or more parameters used by said service;

executing a set of logic which implements said protocol to generate a service invocation, wherein said service invocation is generated based upon, at least a portion of, said mapping information in the service definition, and is in compliance with said protocol; ~~and~~

sending said service invocation to said service application to invoke said service;

receiving a reply from said service application which comprises said one or more results; and

providing at least a portion of said one or more results to said process management engine to complete performance of said activity.

2. (Original) The method of claim 1, wherein said protocol is an industry standard protocol.

3. (Original) The method of claim 2, wherein said protocol is SOAP (simple object access protocol).

4. (Original) The method of claim 2, wherein said protocol is ebXML.

5. (Original) The method of claim 1, wherein said activity has an activity definition associated therewith, and wherein said activity definition comprises said service definition.

6. (Original) The method of claim 1, wherein said service definition comprises an indication that said protocol is to be used to invoke said service.

7. (Original) The method of claim 1, wherein said service definition comprises access information for accessing said service.

8. (Original) The method of claim 7, wherein said access information comprises a URI (universal resource identifier).

9. (Original) The method of claim 7, wherein said access information comprises a service name.

10-11. (Cancelled).

12. (Currently amended) A computer implemented method for performing one or more activities, comprising:

receiving, from a process management engine, a first message to perform a first activity which calls for invocation of a first service provided by a first service application, wherein said first service, when invoked, provides a first set of one or more results of performing said first service;

obtaining a service definition for said first service, wherein the service definition comprises mapping information that maps one or more attributes associated with said activity to one or more parameters used by said service, and wherein said service definition for said first service comprising an indication that a first protocol is to be used to invoke said first service;

selecting a first set of logic based upon said indication in said service definition for said first service, said first set of logic implementing said first protocol;

executing said first set of logic to generate a first service invocation, wherein said first service invocation is generated based upon, at least a portion of, said mapping information in the service definition for said first service, and is in compliance with said first protocol; ~~and~~

sending said first service invocation to said first service application to invoke said first service; and

receiving a reply from said first service application which comprises said first set of one or more results; and

providing at least a portion of said first set of one or more results to said process management engine to complete performance of said first activity.

13. (Currently amended) The method of claim 12, further comprising:

receiving a second message to perform a second activity which calls for invocation of a second service provided by a second service application, wherein said second service, when invoked, provides a second set of one or more results of performing said second service;

obtaining a service definition for said second service, said service definition for said second service comprising an indication that a second protocol is to be used to invoke said second service;

selecting a second set of logic based upon said indication in said service definition for said second service, said second set of logic implementing said second protocol;

executing said second set of logic to generate a second service invocation, wherein said second service invocation is generated based upon at least a portion of said service definition for said second service, and is in compliance with said second protocol; ~~and~~

sending said second service invocation to said second service application to invoke said second service;

receiving a reply from said second service application which comprises said second set of one or more results; and

providing at least a portion of said second set of one or more results to said process management engine to complete performance of said second activity.

14. (Currently Amended) A computer readable medium comprising instructions which, when executed by one or more processors, cause the one or more processors to perform an activity, said computer readable medium comprising:

instructions for causing one or more processors to receive a message, from a process management engine, to perform an activity which calls for invocation of a service provided by a service application, said service being invocable using a protocol, and said service, when invoked, provides one or more results of performing said service;

instructions for causing one or more processors to obtain a service definition for said service, wherein the service definition comprises mapping information that maps one or more attributes associated with said activity to one or more parameters used by said service;

instructions for causing one or more processors to execute a set of logic which implements said protocol to generate a service invocation, wherein said service invocation is generated based upon, at least a portion of, mapping information in the said service definition, and is in compliance with said protocol; ~~and~~

instructions for causing one or more processors to send said service invocation to said service application to invoke said service;

receiving a reply from said service application which comprises said one or more results; and

providing at least a portion of said one or more results to said process management engine to complete performance of said activity.

15. (Original) The computer readable medium of claim 14, wherein said protocol is an industry standard protocol.

16. (Original) The computer readable medium of claim 15, wherein said protocol is SOAP (simple object access protocol).

17. (Original) The computer readable medium of claim 15, wherein said protocol is ebXML.

18. (Original) The computer readable medium of claim 14, wherein said activity has an activity definition associated therewith, and wherein said activity definition comprises said service definition.

19. (Original) The computer readable medium of claim 14, wherein said service definition comprises an indication that said protocol is to be used to invoke said service.

20. (Original) The computer readable medium of claim 14, wherein said service definition comprises access information for accessing said service.

21. (Original) The computer readable medium of claim 20, wherein said access information comprises a URL (universal resource locator).

22. (Original) The computer readable medium of claim 20, wherein said access information comprises a service name.

23-24. (Cancelled).

25. (Currently amended) A computer readable medium comprising instructions which, when executed by one or more processors, causes the one or more processors to perform one or more activities, said computer readable medium comprising:

instructions for causing one or more processors to receive, from a process management engine, a first message to perform a first activity which calls for invocation of a first service provided by a first service application, wherein said first service, when invoked, provides a first set of one or more results of performing said first service;

instructions for causing one or more processors to obtain a service definition for said first service, wherein the service definition comprises mapping information that maps one or more attributes associated with said activity to one or more parameters used by said service, and wherein said service definition for said first service comprising an indication that a first protocol is to be used to invoke said first service;

instructions for causing one or more processors to select a first set of logic based upon said indication in said service definition for said first service, said first set of logic implementing said first protocol;

instructions for causing one or more processors to execute said first set of logic to generate a first service invocation, wherein said first service invocation is generated based

upon, at least a portion of, said mapping information in the service definition for said first service, and is in compliance with said first protocol; ~~and~~

instructions for causing one or more processors to send said first service invocation to said first service application to invoke said first service;

instructions for receiving a reply from said first service application which comprises said first set of one or more results; and

instructions for providing at least a portion of said first set of one or more results to said process management engine to complete performance of said first activity.

26. (Currently amended) The computer readable medium of claim 25, further comprising:

instructions for causing one or more processors to receive a second message to perform a second activity which calls for invocation of a second service provided by a second service application, wherein said second service, when invoked, provides a second set of one or more results of performing said second service;

instructions for causing one or more processors to obtain a service definition for said second service, said service definition for said second service comprising an indication that a second protocol is to be used to invoke said second service;

instructions for causing one or more processors to select a second set of logic based upon said indication in said service definition for said second service, said second set of logic implementing said second protocol;

instructions for causing one or more processors to execute said second set of logic to generate a second service invocation, wherein said second service invocation is generated

based upon at least a portion of said service definition for said second service, and is in compliance with said second protocol; ~~and~~

instructions for causing one or more processors to send said second service invocation to said second service application to invoke said second service;

instructions for receiving a reply from said second service application which comprises said second set of one or more results; and

instructions for providing at least a portion of said second set of one or more results to said process management engine to complete performance of said second activity.